

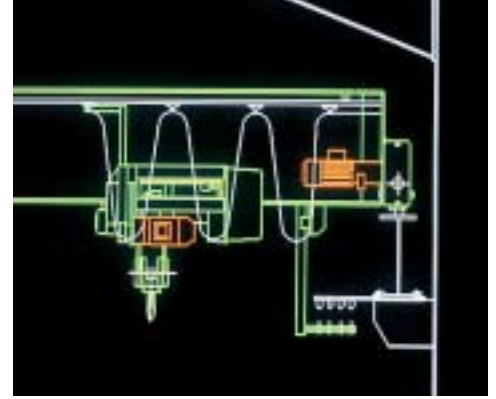


**Street**

**ZX** *moving beyond the millennium*



# *Fifth generation hoisting*



ZX hoists are specifically designed to meet the challenging requirements for precision lifting and moving beyond the millennium.

The innovative ZX design is the result of a rigorous analysis of customer's future expectations plus the application of the most advanced crane technology together with 50 years experience of crane making.

ZX technology provides a new level of performance and productivity through applied value engineering. Inevitably, a hoist designed to meet the needs of industry beyond the year 2000 must provide an excellent solution in terms of the price/performance ratio and ZX certainly meets this demanding criteria.

Excellent quality and outstanding safety in design and construction are the hallmarks of Street Crane products. It is, therefore, not surprising that ZX hoists incorporate a series of significant new safety features. The level of safety on standard models is such that a number of basic components (the failure of which on competitor hoists would be catastrophic) fail to safety on ZX. For example, the hoist brake operates on the second hoist reduction shaft giving fail to safety on all components in the motor and first reduction lines. The hoist motor can even be completely removed without releasing the load.

Naturally all components are manufactured to the highest quality standards in a modern purpose built plant using advanced production methods.



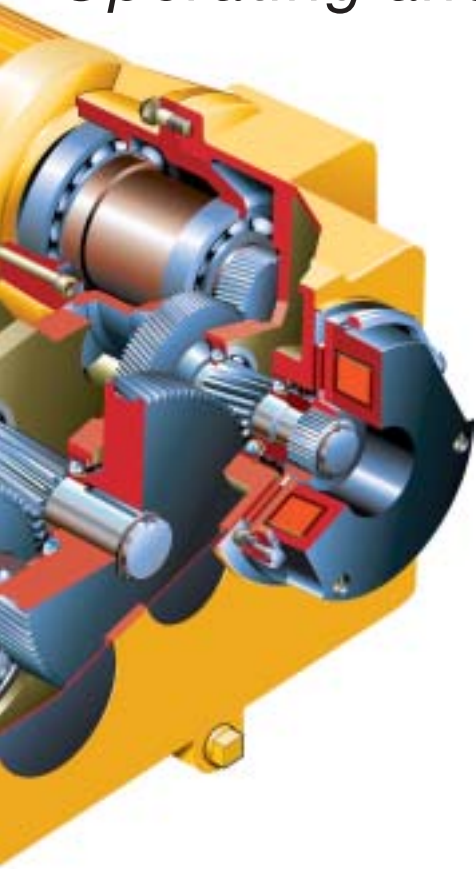
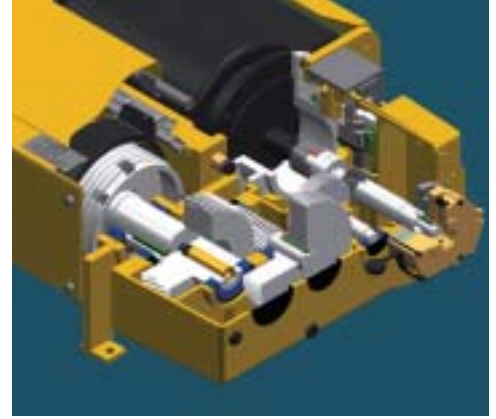
*Low headroom monorail hoist for maximum height of lift*



Detail: capacity restrictor (overload cut-out).



# Operating and safety **features**



## **Extra Hoist Brake Safety**

ZX hoists incorporate a fail-safe hoist brake acting on the gearbox second reduction shaft. This unique feature ensures the hoist brake is effective even if the hoist motor is removed or if any of the following components should fail.

- ï Motor shaft
- ï Motor to gearbox connection
- ï Primary gearing

Needless to say all components fully comply with international standards.

## **Extra Hoist Drum Security**

- ï Continuous shaft through the hoist drum
- ï Barrel Retention isnoutsï

## **Reliability**

- ï Minimum number of components
- ï Self aligning bearings at each end of the drum take up deflection

## **Maintainability**

- ï Motor outside the drum
- ï Gearbox outside the drum

## **Features**

- ï Rated capacity limiter (overload protection device)
- ï Single or dual speed hoisting
- ï Heavy duty rope guide
- ï Class iFï insulation motor
- ï IP54 class of protection
- ï Galvanised rope
- ï Hours in service meter (when electrics supplied)

- ï Hand release facility on hoist brake
- ï Hoist and lower limits
- ï Parallel rotor motors
- ï Soft start travel drive
- ï 40 / 60% ED travel motors
- ï Special anti-corrosion plastic coating on the frame
- ï Automatic hoist brake adjustment
- ï Asbestos free brake linings
- ï Safety catch on hook

## **Optional Extras**

- ï SC Smartlift programmable speed control on hoist
- ï SC Smartdrive programmable speed control on travel
- ï Condition monitoring
- ï Secondary hoist brake
- ï Brake lining wear indication
- ï Overheating protection of the hoist motor
- ï Overheating protection of the travel motor
- ï Digital load indication
- ï Mains contactor
- ï Ultimate hoist limit
- ï Travel limit
- ï Anti-condensation heaters in the hoist motor
- ï Anti-condensation heaters in the travel motor
- ï Bottom hook block with locking quadrant





## ZX hoist formats

Street electric wire rope hoist units are precision engineered in an ISO 9001 (EN29001) accredited environment. ZX hoists are suitable for a huge range of applications and come in a variety of capacities up to 25 tonnes. Options are available in low headroom monorail, double girder crab or stationary hoist format. Each model has three drum lengths and various powerful motor options with fast or slow gearbox ratios. The range is further increased by a number of rope reeving options.

ZX hoists represent only a part of the Street manufacturing programme which includes heavy industrial cranes and hoists up to 150 tonnes capacity.

For full programme please ask for the Corporate Brochure.

**A Technical data-book on Street Hoists and components is available on request.**



10 tonne double girder unit complete with fabricated steel chasis and travelling equipment



Standard, long and extra long barrel length



25 tonne Stationary Hoist suitable for base mounting



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ISO. 9001 EN. 29001

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